

PHAGE DISPLAY OF INTACT DOMAINS AT HIGH COPY NUMBER

Abstract of the Disclosure

Disclosed is a phage display system in which the molecules to be displayed (i.e., molecules of interest) are bound to dispensable capsid polypeptides such as SOC (small outer capsid) and HOC (highly antigenic outer capsid) polypeptides that are, in turn, bound to a surface lattice protein, such as those on the surface of a virion or polyhead. Also disclosed are methods of displaying a molecule of interest, methods of immunizing a patient by administering a displayed antigen, and methods of treating a patient who has a disorder associated with aberrant expression or activity of a biological molecule. In the latter instance, the method includes administering a displayed polypeptide, such as an immunoglobulin molecule or an enzyme, that is capable of specifically interacting with the aberrant biological molecule.

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